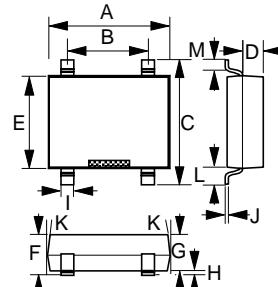


**SURFACE MOUNT
GLASS PASSIVATED BRIDGE RECTIFIERS**
**REVERSE VOLTAGE - 100 to 800 Volts
FORWARD CURRENT - 0.8 Amperes**
FEATURES

- Rating to 800V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Fast recovery, low loss switching
- The plastic material has UL recognition File # E95060

MECHANICAL DATA

- Polarity : Symbol marked on body
- Weight : 0.0044 ounces, 0.125 grams
- Mounting position : Any

HDDF


HDDF		
DIM.	MIN.	MAX.
A	4.50	4.90
B	2.30	2.70
C	—	7.00
D	1.20	1.60
E	3.60	4.00
F	—	3.00
G	2.30	2.70
H	—	0.20
I	0.50	0.80
J	0.15	0.35
K	5° TYPICAL	
L	1.30	1.70
M	0.70	1.10

All Dimensions in millimeter

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	RH01	RH02	RH04	RH06	RH08	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	V
Maximum RMS Voltage	V _{RMS}	70	140	280	420	560	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	V
Maximum Average Forward Rectified Current (Note 1) @ T _A =40°C	I _(AV)				0.8		A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I _{FSM}			30			A
Maximum Forward Voltage at 0.4A DC	V _F			1.15			V
Maximum DC Reverse Current @ T _J =25°C at Rated DC Blocking Voltage @ T _J =125°C	I _R			5	100		uA
Maximum Reverse Recovery Time	T _{RR}		150		250	500	ns
Typical Junction Capacitance per element (Note 2)	C _J			13			pF
Typical Thermal Resistance (Note 3)	R _{θJA}			75			°C/W
Operating Temperature Range	T _J		-55 to +150				°C
Storage Temperature Range	T _{STG}		-55 to +150				°C

NOTES : 1. Mounted on P.C. board.

REV. 0, 14-Feb-2001, KBDB02

2. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

3. Thermal Resistance Junction to Ambient.

RATING AND CHARACTERISTIC CURVES
RH01 thru RH08

LITEON

FIG.1 - FORWARD CURRENT DERATING CURVE

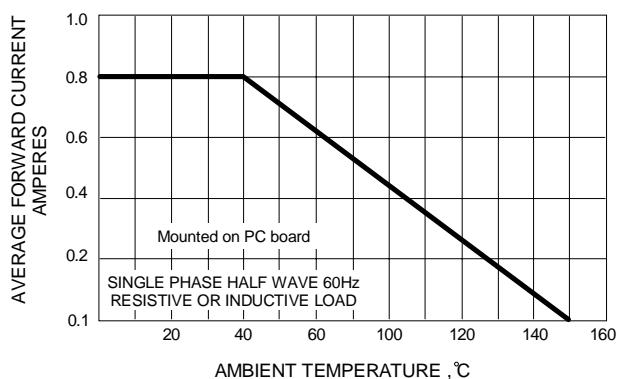


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

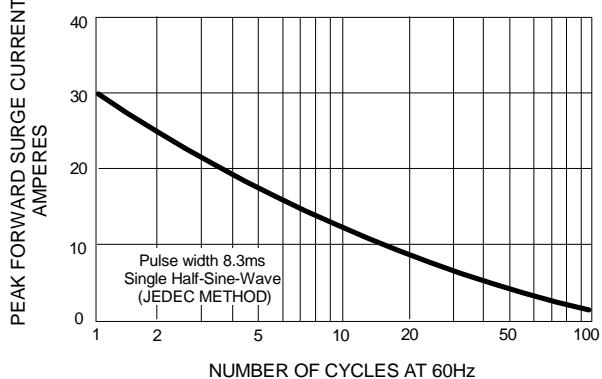


FIG.3 - TYPICAL JUNCTION CAPACITANCE

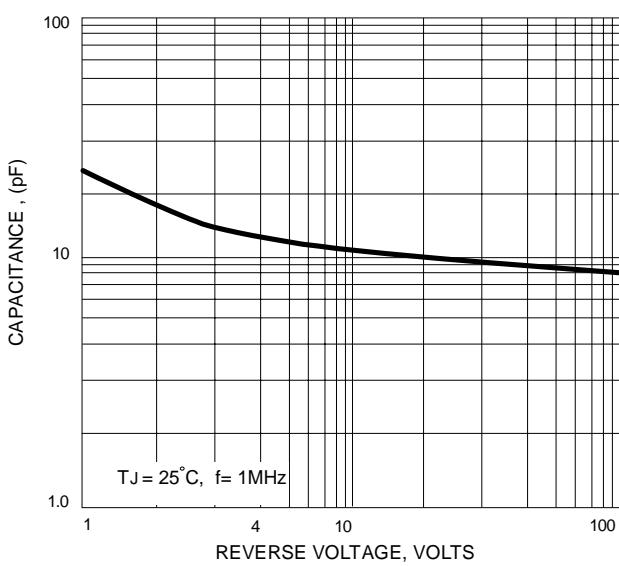


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

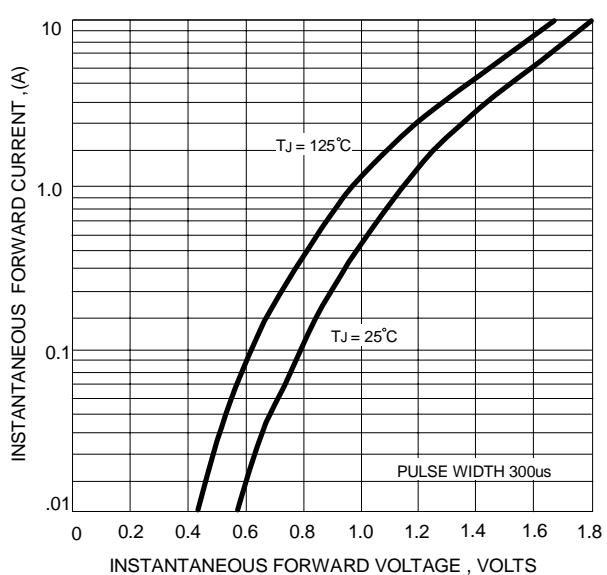


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

